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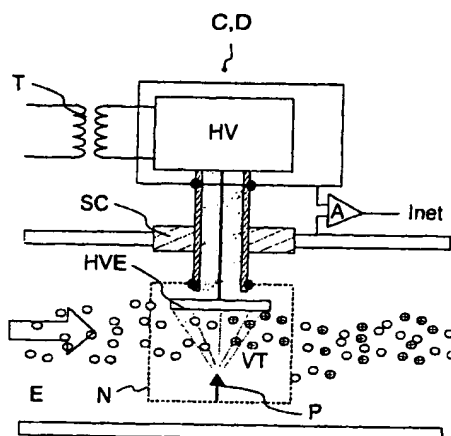
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(54) Title: A METHOD AND A SENSOR DEVICE FOR MEASURING PARTICLE EMISSIONS FROM THE EXHAUST GASES  
OF A COMBUSTION ENGINE



(57) Abstract: The invention relates to a method and a sensor device for determining particle emissions from exhaust gases of a combustion engine substantially during the use in an exhaust pipe system or a corresponding exhaust gas duct (E), in which method emitted particles contained in the exhaust gases are charged and the particle emissions are determined by measuring the electric charge carried by the emitted particles in said exhaust gas duct (E). According to the invention, the emitted particles are charged by varying the way of charging or the charging power with respect to time in such a manner that as a result of said charging, emitted particles brought into at least two different electrical charge states are present, wherein the charge of the emitted particles is further determined as a difference value/values measured from the emitted particles brought into said at least two different electrical charge states. The invention makes it possible to measure particle emissions more accurately than in prior art.

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